| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|-------|--|--------------------|---------------------|---------|------------------|
| S1 | 1 | "6055566".pn. | US-PGPUB; USPAT | OR | OFF | 2003/01/12 14:10 |
| S2 | 12206 | (real-time or "real time") near (data or information) | US-PGPUB; USPAT | OR | OFF | 2002/12/24 10:11 |
| S3 | 0 | (((real-time or "real time") near (data or information)) same display same (wireless or mobile)) same hash\$3 | US-PGPUB; USPAT | OR | OFF | 2002/12/24 10:13 |
| S4 | 6 | (((real-time or "real time") near (data or information)) same display same (wireless or mobile)) same key | US-PGPUB; USPAT | OR | OFF | 2002/12/24 10:13 |
| S5 | 0 | (((real-time or "real time") near (data or information)) same display same (wireless or mobile)) and hash\$3 | US-PGPUB; USPAT | OR | OFF | 2002/12/24 10:13 |
| S6 | 72 | ((real-time or "real time") near (data or information)) same display same (wireless or mobile) | US-PGPUB; USPAT | OR | OFF | 2002/12/24 10:23 |
| S7 | 58 | ((real-time or "real time") near (data or information)) same (wireless or mobile) same (updat\$3 or refresh\$3) | US-PGPUB; USPAT | OR | OFF | 2002/12/24 10:24 |
| S8 | 54 | (((real-time or "real time") near (data or information)) same (wireless or mobile) same (updat\$3 or refresh\$3)) not (((real-time or "real time") near (data or information)) same display same (wireless or mobile)) | US-PGPUB; USPAT | OR | OFF | 2002/12/24 10:29 |
| S9 | 0 | ((((real-time or "real time") near (data or information)) same (wireless or mobile) same (updat\$3 or refresh\$3)) not (((real-time or "real time") near (data or information)) same display same (wireless or mobile))) and hash\$3 | US-PGPUB; USPAT | OR | OFF | 2002/12/24 10:26 |
| S10 | 383 | ((real-time or "real time") near (data or information)) and hash\$3 | US-PGPUB; USPAT | OR | OFF | 2002/12/24 10:27 |
| S11 | 9 | ((real-time or "real time") near (data or information)) same hash\$3 | US-PGPUB; USPAT | OR | OFF | 2002/12/24 10:27 |

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|-----|------|--|--------------------|----|-----|------------------|
| S12 | 27 | (((real-time or "real time") near (data or information)) same (wireless or mobile) same (updat\$3 or refresh\$3)) not (((real-time or "real time") near (data or information)) same display same (wireless or mobile)) | USPAT | OR | OFF | 2003/06/19 10:02 |
| S13 | 3128 | (updat\$3 or refresh\$3) same (information or data) same (wireless or mobile) | USPAT | OR | OFF | 2004/02/02 12:01 |
| S14 | 11 | ((updat\$3 or refresh\$3) same (information or data) same (wireless or mobile)) same hash\$3 | USPAT | OR | OFF | 2002/12/30 11:48 |
| S15 | 434 | 709/204.ccls. | USPAT | OR | OFF | 2002/12/24 11:13 |
| S16 | 196 | 709/207.ccls. | USPAT | OR | OFF | 2002/12/24 11:13 |
| S17 | 11 | 345/760.ccls. and (wireless or mobile) | USPAT | OR | OFF | 2002/12/30 09:45 |
| S18 | 78 | ((updat\$3 or refresh\$3) same (information or data) same hash\$3 and (wireless or mobile)) | USPAT | OR | OFF | 2002/12/30 11:50 |
| S19 | 2 | ((((updat\$3 or refresh\$3) same (information or data) same hash\$3 and (wireless or mobile))) and (thread or process)) and applet | USPAT | OR | OFF | 2002/12/30 11:51 |
| S20 | 77 | (((updat\$3 or refresh\$3) same (information or data) same hash\$3 and (wireless or mobile))) and (thread or process) | USPAT | OR | OFF | 2002/12/30 12:14 |
| S21 | 12 | (US-6055566-\$ or US-6415439-\$ or US-6292743-\$ or US-6021371-\$ or US-6490590-\$ or US-6434479-\$ or US-6073075-\$ or US-5848373-\$ or US-6438585-\$ or US-6446096-\$ or US-6356287-\$ or US-5801691-\$). did. | USPAT | OR | OFF | 2002/12/31 09:53 |
| S22 | 4 | ((US-6055566-\$ or US-6415439-\$ or US-6292743-\$ or US-6021371-\$ or US-6490590-\$ or US-6434479-\$ or US-6073075-\$ or US-5848373-\$ or US-6438585-\$ or US-6446096-\$ or US-6356287-\$ or US-5801691-\$). did.) and hash\$3 | US-PGPUB; USPAT | OR | OFF | 2002/12/31 09:59 |
| S23 | 15 | (thread or rmi or "remote method invocation") same (updat\$3 or refresh\$3) same (wireless or mobile) | US-PGPUB; USPAT | OR | OFF | 2002/12/31 10:11 |
| S24 | 0 | (thread or rmi or "remote method invocation") same applet same html same (wireless or mobile) | US-PGPUB; USPAT | OR | OFF | 2002/12/31 10:08 |

| 625 | 10 | (About a decouple of the most bod | US-PGPUB; | OR | OFF | 2002/12/31 10:09 |
|-----|------|--|--------------------|-----------------|-----|------------------|
| S25 | 10 | (thread or rmi or "remote method invocation") same applet same html and (wireless or mobile) | USPAT | UR | OFF | 2002/12/31 10:09 |
| S26 | 32 | (thread or rmi or "remote method invocation") same (updat\$3 or refresh\$3) and (wireless or mobile) and html and applet | US-PGPUB; USPAT | OR | OFF | 2002/12/31 10:12 |
| S27 | 28 | (mobile or wireless) same html same applet | US-PGPUB; USPAT | OR . | OFF | 2002/12/31 11:35 |
| S28 | 1 | "6173316".pn. | US-PGPUB; USPAT | OR | OFF | 2003/01/02 14:28 |
| S29 | 185 | "hash table" same server | US-PGPUB; USPAT | OR | OFF | 2003/01/02 14:29 |
| S30 | 2 | "hash table" same (server or proxy) same "real-time" | US-PGPUB; USPAT | OR | OFF | 2003/01/02 14:30 |
| S31 | 124 | ("hash table" same server) same (data or information) | US-PGPUB; USPAT | OR | OFF | 2003/01/02 14:31 |
| S32 | 40 | (("hash table" same server) same (data or information)) same (chang\$3 or differen\$4 or new) | US-PGPUB; USPAT | OR ⁻ | OFF | 2003/01/02 14:35 |
| S33 | 0 | user near prefrence\$1 and (("hash table" same server) same (data or information)) | US-PGPUB; USPAT | OR | OFF | 2003/01/02 14:36 |
| S34 | 7 | user near preference\$1 and (("hash table" same server) same (data or information)) | US-PGPUB; USPAT | OR | OFF | 2003/01/02 14:37 |
| S35 | 62 | database same user and (("hash table" same server) same (data or information)) | US-PGPUB; USPAT | OR | OFF | 2003/01/02 14:37 |
| S36 | 1827 | 709/224.ccls. | US-PGPUB; USPAT | OR | OFF | 2003/01/12 14:11 |
| S37 | 249 | 709/224.ccls. and proxy | US-PGPUB; USPAT | OR | OFF | 2003/01/12 14:14 |
| S38 | 524 | 709/203.ccls. and proxy | US-PGPUB; USPAT | OR | OFF | 2003/01/12 14:19 |
| S39 | 277 | 709/217.ccls. and proxy | US-PGPUB; USPAT | OR | OFF | 2003/01/12 14:22 |
| S40 | 120 | 709/246.ccls. and proxy | US-PGPUB; USPAT | OR | OFF | 2003/01/12 14:26 |
| S41 | 0 | 707/103.ccls. and proxy | US-PGPUB; USPAT | OR | OFF | 2003/01/12 14:26 |
| S42 | 7 | 707/103x.ccls. and proxy | US-PGPUB; USPAT | OR | OFF | 2003/01/12 14:27 |
| S43 | 24 | 707/103x.ccls. | US-PGPUB; USPAT | OR | OFF | 2003/01/12 14:28 |

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|-----|------|--|--------------------|----|------------|---------------------------------------|
| S44 | 695 | 707/103r.ccls. | US-PGPUB; USPAT | OR | OFF | 2003/01/12 14:28 |
| S45 | 43 | 707/103r.ccls. and proxy | US-PGPUB; USPAT | OR | OFF | 2003/01/12 14:28 |
| S46 | 1246 | 709/224,217,246,203.ccls. and @pd>"20030112" | US-PGPUB; USPAT | OR | OFF | 2003/06/19 09:46 |
| S47 | 363 | (709/224,217,246,203.ccls. and @pd>"20030112") and ("real time" or "real-time") | US-PGPUB; USPAT | OR | OFF | 2003/06/19 09:47 |
| S48 | 103 | ((709/224,217,246,203.ccls. and @pd>"20030112") and ("real time" or "real-time")) and (wireless or mobile) same device | US-PGPUB; USPAT | OR | OFF | 2003/06/19 09:59 |
| S49 | 2 | (((real-time or "real time") near (data or information)) same (wireless or mobile) same (updat\$3 or refresh\$3)) not (((real-time or "real time") near (data or information)) same display same (wireless or mobile)) and @pd>"20021224" | USPAT | OR | OFF | 2003/06/19 10:03 |
| S50 | 54 | 345/760,864.ccls. and @pd>"20021230" | US-PGPUB; USPAT | OR | OFF | 2003/06/19 10:04 |
| S51 | 1817 | (updat\$3 or refresh\$3) near2 (information or data or parameters) same (wireless or mobile) | USPAT | OR | OFF | 2004/02/02 12:02 |
| S52 | 68 | (updat\$3 or refresh\$3) near2 (information or data or parameters) same (wireless or mobile) same (servers or providers) | USPAT | OR | OFF | 2004/02/02 12:45 |
| S53 | 58 | ((updat\$3 or refresh\$3) near2 (information or data or parameters) same (wireless or mobile) same (servers or providers)) and @ad<"20000321" | USPAT | OR | OFF | 2004/02/02 12:04 |
| S54 | 37 | ((updat\$3 or refresh\$3) near2 (information or data or parameters) same (wireless or mobile) same (servers or providers)) and ("real-time" or "real time") | USPAT | OR | OFF | 2004/02/02 12:04 |
| S55 | | (((updat\$3 or refresh\$3) near2 (information or data or parameters) same (wireless or mobile) same (servers or providers)) and ("real-time" or "real time")) and @ad<"20000321" | USPAT | OR | OFF | 2004/02/02 12:18 |
| S56 | 137 | ("real-time" or "real time") same (stock\$1 or bond\$1 or fund\$1) same (updat\$3 or refresh\$3) | USPAT | OR | OFF | 2004/02/02 12:20 |

| S57 | 127 | (("real-time" or "real time") same (stock\$1 or bond\$1 or fund\$1) same (updat\$3 or refresh\$3)) and @ad<"20000321" | USPAT | OR | OFF | 2006/03/27 12:06 |
|-------|-------|---|---|----|-----|------------------|
| S58 | 81 | (("real-time" or "real time") same (stock\$1 or bond\$1 or fund\$1) same (updat\$3 or refresh\$3)) and financ\$4 | USPAT | OR | OFF | 2004/02/02 12:20 |
| S59 | 75 | ((("real-time" or "real time") same (stock\$1 or bond\$1 or fund\$1) same (updat\$3 or refresh\$3)) and financ\$4) and @ad<"20000321" | USPAT | OR | OFF | 2004/02/02 12:20 |
| S60 | 0 | hash\$3 same sports same weather same stock\$1 | US-PGPUB; USPAT | OR | OFF | 2004/02/02 12:44 |
| S61 | 0 | hash\$3 same sports same weather | US-PGPUB; USPAT | OR | OFF | 2004/02/02 12:44 |
| S62 | 65 | hash\$3 and sports same weather | US-PGPUB; USPAT | OR | OFF | 2004/02/02 12:44 |
| S63 | 0 | ((updat\$3 or refresh\$3) near2 (information or data or parameters) same (wireless or mobile) same (servers or providers)) same hash\$3 | USPAT | OR | OFF | 2004/02/02 12:45 |
| S64 | 3 | ((updat\$3 or refresh\$3) near2 (information or data or parameters) same (wireless or mobile) same (servers or providers)) same key | USPAT | OR | OFF | 2004/02/02 12:46 |
| S65 | 1 | "5398021".pn. | USPAT | OR | OFF | 2004/02/02 12:47 |
| S66 | 48 | "5398021".uref. | USPAT | OR | OFF | 2004/02/02 12:53 |
| S67 | 7 | "5793497".uref. | USPAT | OR | OFF | 2004/02/02 12:53 |
| S68 | 122 | 345/864.ccls. | US-PGPUB; USPAT | OR | OFF | 2004/02/02 14:33 |
| S69 | 59 | 345/864.ccls. and (updat\$3 or refresh\$3 or "real-time" or "real time") | US-PGPUB; USPAT | OR | OFF | 2004/02/02 14:38 |
| · S70 | 22 | (345/864.ccls. and (updat\$3 or refresh\$3 or "real-time" or "real time")) and @ad<"20000321" | US-PGPUB; USPAT | OR | OFF | 2004/02/02 14:39 |
| S71 | 22704 | browser and (updat\$3 or refresh\$3 or "real-time" or "real time") | US-PGPUB; USPAT | OR | OFF | 2004/02/02 14:38 |
| S72 | 109 | browser same (updat\$3 or refresh\$3 or "real-time" or "real time") near4 (stock\$1 or bond\$1 or fund\$1 or weather or sports or score\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/02/02 15:19 |

| S73 | 43 | (browser same (updat\$3 or refresh\$3 or "real-time" or "real time") near4 (stock\$1 or bond\$1 or fund\$1 or weather or sports or score\$1)) and @ad<"20000321" | US-PGPUB; USPAT | OR | OFF | 2004/02/02 15:20 |
|-----|-------|---|---|----|-----|------------------|
| S74 | 5323 | (updat\$3 or refresh\$3 or "real-time" or "real time") near4 (stock\$1 or bond\$1 or fund\$1 or weather or sports or score\$1 or news) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/02/02 15:19 |
| S75 | 131 | ((updat\$3 or refresh\$3 or "real-time" or "real time") near4 (stock\$1 or bond\$1 or fund\$1 or weather or sports or score\$1 or news)) same servers | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/02/02 15:19 |
| S76 | 39 | (((updat\$3 or refresh\$3 or "real-time" or "real time") near4 (stock\$1 or bond\$1 or fund\$1 or weather or sports or score\$1 or news)) same servers) and @ad<"20000321" | US-PGPUB; USPAT | OR | OFF | 2004/02/02 15:20 |
| S77 | 818 | applet same (updat\$3 or refresh\$3 or "real-time" or "real time") | US-PGPUB; USPAT | OR | OFF | 2004/02/03 15:44 |
| S78 | 33782 | (wireless or mobile) near2 (terminal or device) | US-PGPUB; USPAT | OR | OFF | 2004/02/03 15:45 |
| S79 | . 6 | (applet same (updat\$3 or refresh\$3 or "real-time" or "real time")) same ((wireless or mobile) near2 (terminal or device)) | US-PGPUB; USPAT | OR | OFF | 2004/02/03 15:45 |
| S80 | 84 | (applet same (updat\$3 or refresh\$3 or "real-time" or "real time")) and ((wireless or mobile) near2 (terminal or device)) | US-PGPUB; USPAT | OR | OFF | 2004/02/03 17:36 |
| S81 | 14 | (applet same (updat\$3 or refresh\$3 or "real-time" or "real time")) and ((wireless or mobile) near2 (terminal or device)) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/02/03 17:36 |
| S82 | 2853 | (updat\$3 or refresh\$3) same (client or terminal or device) same ("real-time" or "real time") | US-PGPUB; USPAT | OR | OFF | 2004/02/17 12:50 |
| S83 | 2 | ((updat\$3 or refresh\$3) same (client or terminal or device) same ("real-time" or "real time")) same ((collect\$3) near2 ("real-time" or "real time") same server same (internet or network)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/02/17 12:52 |

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|-----|------|---|---|---------------------------------------|-----|------------------|
| S84 | 14 | ((updat\$3 or refresh\$3) same (client or terminal or device) same ("real-time" or "real time")) and ((collect\$3) near2 ("real-time" or "real time") same server same (internet or network)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/28 12:23 |
| S85 | 3 | (((updat\$3 or refresh\$3) same (client or terminal or device) same ("real-time" or "real time")) and ((collect\$3) near2 ("real-time" or "real time") same server same (internet or network))) and @ad<"20000321" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/02/17 12:53 |
| S86 | 26 | (US-6021371-\$ or US-6055566-\$ or US-6490590-\$ or US-6292743-\$ or US-6415439-\$ or US-6434479-\$ or US-6073075-\$ or US-5848373-\$ or US-6438585-\$ or US-6446096-\$ or US-6356287-\$ or US-6505123-\$ or US-6571279-\$ or US-6505123-\$ or US-6507850-\$ or US-664250-\$ or US-6377210-\$ or US-6082500-\$ or US-6600725-\$ or US-6522342-\$ or US-5793497-\$ or US-5398021-\$ or US-6658418-\$ or US-6477434-\$ or US-6209026-\$ or US-6067477-\$). did. | USPAT | OR | OFF | 2004/02/20 10:15 |
| S87 | 5 | ((US-6021371-\$ or US-6055566-\$ or US-6490590-\$ or US-6292743-\$ or US-6415439-\$ or US-6434479-\$ or US-6073075-\$ or US-5848373-\$ or US-6438585-\$ or US-6446096-\$ or US-6356287-\$ or US-6505123-\$ or US-6571279-\$ or US-6505123-\$ or US-6507850-\$ or US-6564250-\$ or US-6377210-\$ or US-6082500-\$ or US-6600725-\$ or US-6522342-\$ or US-5793497-\$ or US-6477434-\$ or US-6209026-\$ or US-6067477-\$). did.) and hash\$3 | US-PGPUB; USPAT | OR | OFF | 2004/02/20 10:15 |
| S90 | 90 | (collect\$3) near2 ("real-time" or "real time") same server same (internet or network) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/28 12:24 |
| S91 | 4018 | (updat\$3 or refresh\$3) same (client or terminal or device) same ("real-time" or "real time") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/28 12:25 |

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|----------|-------|--|---|----|-----|------------------|
| S92 | 15 | ((collect\$3) near2 ("real-time" or "real time") same server same (internet or network)) and ((updat\$3 or refresh\$3) same (client or terminal or device) same ("real-time" or "real time")) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/28 12:25 |
| S93 | 65 | 345/864.ccls. | USPAT | OR | OFF | 2004/10/28 12:28 |
| S94 | 1 | ((updat\$3 or refresh\$3) same (client or terminal or device) same ("real-time" or "real time")) and 345/864.ccls. | USPAT | OR | OFF | 2004/10/28 12:28 |
| S95 | 1 | "6055566".pn. | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S96 | 25005 | (real-time or "real time") near (data or information) | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S97 | 0 | (((real-time or "real time") near (data or information)) same display same (wireless or mobile)) same hash\$3 | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S98 | 14 | (((real-time or "real time") near (data or information)) same display same (wireless or mobile)) same key | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S99 | 1 | (((real-time or "real time") near (data or information)) same display same (wireless or mobile)) and hash\$3 | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S10 0 | 232 | ((real-time or "real time") near (data or information)) same display same (wireless or mobile) | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S10 1 | 187 | ((real-time or "real time") near (data or information)) same (wireless or mobile) same (updat\$3 or refresh\$3) | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S10 2 | 163 | (((real-time or "real time") near (data or information)) same (wireless or mobile) same (updat\$3 or refresh\$3)) not (((real-time or "real time") near (data or information)) same display same (wireless or mobile)) | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S10 3 | 3 | ((((real-time or "real time") near (data or information)) same (wireless or mobile) same (updat\$3 or refresh\$3)) not (((real-time or "real time") near (data or information)) same display same (wireless or mobile))) and hash\$3 | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |

| S10 4 | 1102 | ((real-time or "real time") near (data or information)) and hash\$3 | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
|----------|------|--|--------------------|---------|-----|------------------|
| S10 5 | 24 | ((real-time or "real time") near (data or information)) same hash\$3 | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S10 6 | 59 | (((real-time or "real time") near (data or information)) same (wireless or mobile) same (updat\$3 or refresh\$3)) not (((real-time or "real time") near (data or information)) same display same (wireless or mobile)) | USPAT | OR | OFF | 2005/10/24 13:01 |
| S10 7 | 5600 | (updat\$3 or refresh\$3) same (information or data) same (wireless or mobile) | USPAT | OR | OFF | 2005/10/24 13:01 |
| S10 8 | 16 | ((updat\$3 or refresh\$3) same (information or data) same (wireless or mobile)) same hash\$3 | USPAT | OR 5 | OFF | 2005/10/24 13:01 |
| S10 9 | 749 | 709/204.ccls. | USPAT | OR | OFF | 2005/10/24 13:01 |
| S11 0 | 364 | 709/207.ccls. | USPAT | OR | OFF | 2005/10/24 13:01 |
| S11 1 | 0 | 345/760.ccls. and (wireless or mobile) | USPAT | OR | OFF | 2005/10/24 13:01 |
| S11 2 | 155 | ((updat\$3 or refresh\$3) same (information or data) same hash\$3 and (wireless or mobile)) | USPAT | OR | OFF | 2005/10/24 13:01 |
| S11 3 | 13 | ((((updat\$3 or refresh\$3) same (information or data) same hash\$3 and (wireless or mobile))) and (thread or process)) and applet | USPAT | OR | OFF | 2005/10/24 13:01 |
| S11 4 | 151 | (((updat\$3 or refresh\$3) same (information or data) same hash\$3 and (wireless or mobile))) and (thread or process) | USPAT | OR | OFF | 2005/10/24 13:01 |
| S11 5 | 12 | (US-6055566-\$ or US-6415439-\$ or US-6292743-\$ or US-6021371-\$ or US-6490590-\$ or US-6434479-\$ or US-6073075-\$ or US-6438585-\$ or US-6446096-\$ or US-6356287-\$ or US-5801691-\$). did. | USPAT | OR | OFF | 2005/10/24 13:01 |
| S11 6 | 4 | ((US-6055566-\$ or US-6415439-\$ or US-6292743-\$ or US-6021371-\$ or US-6490590-\$ or US-6434479-\$ or US-6073075-\$ or US-5848373-\$ or US-6438585-\$ or US-6446096-\$ or US-6356287-\$ or US-5801691-\$). did.) and hash\$3 | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |

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|----------|------|---|--------------------|------|----------|------------------|
| S11 7 | . 47 | (thread or rmi or "remote method invocation") same (updat\$3 or refresh\$3) same (wireless or mobile) | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S11 8 | 0 | (thread or rmi or "remote method invocation") same applet same html same (wireless or mobile) | US-PGPUB; USPAT | OR · | OFF | 2005/10/24 13:01 |
| S11 9 | 31 | (thread or rmi or "remote method invocation") same applet same html and (wireless or mobile) | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S12 0 | 132 | (thread or rmi or "remote method invocation") same (updat\$3 or refresh\$3) and (wireless or mobile) and html and applet | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S12 1 | 90 | (mobile or wireless) same html same applet | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S12 2 | 1 | "6173316".pn. | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S12 3 | 509 | "hash table" same server | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S12 4 | 12 | "hash table" same (server or proxy) same "real-time" | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S12 5 | 382 | ("hash table" same server) same (data or information) | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S12 6 | 110 | (("hash table" same server) same (data or information)) same (chang\$3 or differen\$4 or new) | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S12 7 | 0 | user near prefrence\$1 and (("hash table" same server) same (data or information)) | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S12 8 | 43 | user near preference\$1 and (("hash table" same server) same (data or information)) | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S12 9 | 194 | database same user and (("hash table" same server) same (data or information)) | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S13 0 | 4306 | 709/224.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S13 1 | 634 | 709/224.ccls. and proxy | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S13 2 | 1182 | 709/203.ccls. and proxy | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S13 3 | 620 | 709/217.ccls. and proxy | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S13 4 | 296 | 709/246.ccls. and proxy | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |

| | r | | | | | |
|----------|------|--|--------------------|--------------|-----|------------------|
| S13 5 | 0 | 707/103.ccls. and proxy | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S13 6 | 10 | 707/103x.ccls. and proxy | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S13 7 | 48 | 707/103x.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S13 8 | 1195 | 707/103r.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S13 9 | 96 | 707/103r.ccls. and proxy | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S14 0 | 7224 | 709/224,217,246,203.ccls. and @pd>"20030112" | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S14 1 | 2119 | (709/224,217,246,203.ccls. and @pd>"20030112") and ("real time" or "real-time") | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S14 2 | 641 | ((709/224,217,246,203.ccls. and @pd>"20030112") and ("real time" or "real-time")) and (wireless or mobile) same device | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S14 3 | 32 | (((real-time or "real time") near (data or information)) same (wireless or mobile) same (updat\$3 or refresh\$3)) not (((real-time or "real time") near (data or information)) same display same (wireless or mobile)) and @pd>"20021224" | USPAT | OR | OFF | 2005/10/24 13:01 |
| S14 4 | 0 | 345/760,864.ccls. and @pd>"20021230" | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S14 5 | 2526 | (updat\$3 or refresh\$3) near2 (information or data or parameters) same (wireless or mobile) | USPAT | OR | OFF | 2005/10/24 13:01 |
| S14 6 | 101 | (updat\$3 or refresh\$3) near2 (information or data or parameters) same (wireless or mobile) same (servers or providers) | USPAT | OR . | OFF | 2005/10/24 13:01 |
| S14 7 | 63 | ((updat\$3 or refresh\$3) near2 (information or data or parameters) same (wireless or mobile) same (servers or providers)) and @ad<"20000321" | USPAT | OR | OFF | 2005/10/24 13:01 |
| S14 8 | 50 | ((updat\$3 or refresh\$3) near2 (information or data or parameters) same (wireless or mobile) same (servers or providers)) and ("real-time" or "real time") | USPAT | OR | OFF | 2005/10/24 13:01 |

| S14 9 | 35 | (((updat\$3 or refresh\$3) near2 (information or data or parameters) same (wireless or mobile) same (servers or providers)) and ("real-time" or "real time")) and @ad<"20000321" | USPAT . | OR | OFF | 2005/10/24 13:01 |
|----------|-----|---|--------------------|-----|-----|------------------|
| S15 0 | 190 | ("real-time" or "real time") same (stock\$1 or bond\$1 or fund\$1) same (updat\$3 or refresh\$3) | USPAT | OR | OFF | 2005/10/24 13:01 |
| S15 1 | 139 | (("real-time" or "real time") same (stock\$1 or bond\$1 or fund\$1) same (updat\$3 or refresh\$3)) and @ad<"20000321" | USPAT | OR | OFF | 2005/10/24 13:11 |
| S15 2 | 108 | (("real-time" or "real time") same (stock\$1 or bond\$1 or fund\$1) same (updat\$3 or refresh\$3)) and financ\$4 | USPAT | OR | OFF | 2005/10/24 13:01 |
| S15 3 | 83 | ((("real-time" or "real time") same (stock\$1 or bond\$1 or fund\$1) same (updat\$3 or refresh\$3)) and financ\$4) and @ad<"20000321" | USPAT | OR | OFF | 2005/10/24 13:01 |
| S15 4 | 0 | hash\$3 same sports same weather same stock\$1 | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S15 5 | 0 | hash\$3 same sports same weather | US-PGPUB; USPAT | OR: | OFF | 2005/10/24 13:01 |
| S15 6 | 111 | hash\$3 and sports same weather | US-PGPUB; USPAT | OR | ÖFF | 2005/10/24 13:01 |
| S15 7 | 0 | ((updat\$3 or refresh\$3) near2 (information or data or parameters) same (wireless or mobile) same (servers or providers)) same hash\$3 | USPAT | OR | OFF | 2005/10/24 13:01 |
| S15 8 | 3 | ((updat\$3 or refresh\$3) near2 (information or data or parameters) same (wireless or mobile) same (servers or providers)) same key | USPAT | OR | OFF | 2005/10/24 13:01 |
| S15 9 | 1 | "5398021".pn. | USPAT | OR | OFF | 2005/10/24 13:01 |
| S16 0 | 59 | "5398021".uref. | USPAT | OR | OFF | 2005/10/24 13:01 |
| S16 1 | 12 | "5793497".uref. | USPAT | OR | OFF | 2005/10/24 13:01 |
| S16 2 | 0 | 345/864.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S16 3 | 0 | 345/864.ccls. and (updat\$3 or refresh\$3 or "real-time" or "real time") | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |

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|----------|-------|--|---|----|-------------|------------------|
| S16 4 | 0 | (345/864.ccls. and (updat\$3 or refresh\$3 or "real-time" or "real time")) and @ad<"20000321" | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S16 5 | 39217 | browser and (updat\$3 or refresh\$3 or "real-time" or "real time") | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S16 6 | 161 | browser same (updat\$3 or refresh\$3 or "real-time" or "real time") near4 (stock\$1 or bond\$1 or fund\$1 or weather or sports or score\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/24 13:01 |
| S16 7 | 49 | (browser same (updat\$3 or refresh\$3 or "real-time" or "real time") near4 (stock\$1 or bond\$1 or fund\$1 or weather or sports or score\$1)) and @ad<"20000321" | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S16 8 | 7756 | (updat\$3 or refresh\$3 or "real-time" or "real time") near4 (stock\$1 or bond\$1 or fund\$1 or weather or sports or score\$1 or news) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/24 13:01 |
| S16 9 | 218 | ((updat\$3 or refresh\$3 or "real-time" or "real time") near4 (stock\$1 or bond\$1 or fund\$1 or weather or sports or score\$1 or news)) same servers | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/24 13:01 |
| S17 0 | 45 | (((updat\$3 or refresh\$3 or "real-time" or "real time") near4 (stock\$1 or bond\$1 or fund\$1 or weather or sports or score\$1 or news)) same servers) and @ad<"20000321" | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S17 1 | 1316 | applet same (updat\$3 or refresh\$3 or "real-time" or "real time") | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S17 2 | 63695 | (wireless or mobile) near2 (terminal or device) | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S17 3 | 16 | (applet same (updat\$3 or refresh\$3 or "real-time" or "real time")) same ((wireless or mobile) near2 (terminal or device)) | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S17 4 | 180 | (applet same (updat\$3 or refresh\$3 or "real-time" or "real time")) and ((wireless or mobile) near2 (terminal or device)) | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
| S17 5 | 35 | (applet same (updat\$3 or refresh\$3 or "real-time" or "real time")) and ((wireless or mobile) near2 (terminal or device)) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/24 13:01 |

| S17 6 | 4344 | (updat\$3 or refresh\$3) same (client or terminal or device) same | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |
|----------|------|---|---|------|-----|------------------|
| S17 7 | | ("real-time" or "real time") ((updat\$3 or refresh\$3) same (client or terminal or device) same ("real-time" or "real time")) same ((collect\$3) near2 ("real-time" or "real time") same server same (internet or network)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/24 13:21 |
| S17 8 | 20 | ((updat\$3 or refresh\$3) same (client or terminal or device) same ("real-time" or "real time")) and ((collect\$3) near2 ("real-time" or "real time") same server same (internet or network)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR · | OFF | 2005/10/24 13:01 |
| S17 9 | 3 | (((updat\$3 or refresh\$3) same (client or terminal or device) same ("real-time" or "real time")) and ((collect\$3) near2 ("real-time" or "real time") same server same (internet or network))) and @ad<"20000321" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/24 13:01 |
| S18 0 | 26 | (US-6021371-\$ or US-6055566-\$ or US-6490590-\$ or US-6292743-\$ or US-6415439-\$ or US-6434479-\$ or US-6073075-\$ or US-5848373-\$ or US-6438585-\$ or US-6446096-\$ or US-6356287-\$ or US-6505123-\$ or US-6571279-\$ or US-6505123-\$ or US-6507850-\$ or US-664250-\$ or US-6377210-\$ or US-6082500-\$ or US-6600725-\$ or US-6522342-\$ or US-5793497-\$ or US-6477434-\$ or US-6209026-\$ or US-6067477-\$). did. | USPAT | OR | OFF | 2005/10/24 13:01 |
| S18 1 | 5 | ((US-6021371-\$ or US-6055566-\$ or US-6490590-\$ or US-6292743-\$ or US-6415439-\$ or US-6434479-\$ or US-6073075-\$ or US-5848373-\$ or US-6438585-\$ or US-6446096-\$ or US-6356287-\$ or US-6505123-\$ or US-6571279-\$ or US-6505123-\$ or US-6507850-\$ or US-6564250-\$ or US-6377210-\$ or US-6522342-\$ or US-5793497-\$ or US-6522342-\$ or US-658418-\$ or US-6477434-\$ or US-6209026-\$ or US-6067477-\$). did.) and hash\$3 | US-PGPUB; USPAT | OR | OFF | 2005/10/24 13:01 |

| S18 2 | 124 | (collect\$3) near2 ("real-time" or "real time") same server same (internet or network) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/24 13:01 |
|----------|------|---|---|----|-----|------------------|
| S18 3 | 4974 | (updat\$3 or refresh\$3) same (client or terminal or device) same ("real-time" or "real time") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/24 13:01 |
| S18 4 | 20 | ((collect\$3) near2 ("real-time" or "real time") same server same (internet or network)) and ((updat\$3 or refresh\$3) same (client or terminal or device) same ("real-time" or "real time")) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/24 13:01 |
| S18 5 | 0 | 345/864.ccls. | USPAT | OR | OFF | 2005/10/24 13:01 |
| S18 6 | 0 | ((updat\$3 or refresh\$3) same (client or terminal or device) same ("real-time" or "real time")) and 345/864.ccls. | USPAT | OR | OFF | 2005/10/24 13:01 |
| S18 7 | 139 | S151 and @pd<"200401101" | USPAT | OR | OFF | 2005/10/24 13:19 |
| S18 8 | 0 | S151 and @pd>"200401101" | USPAT | OR | OFF | 2005/10/24 13:19 |
| S18 9 | 5 | S151 and @pd>"20041101" | USPAT | OR | OFF | 2006/09/04 15:09 |
| S19 0 | 1 | ((updat\$3 or refresh\$3) same (client or terminal or device) same ("real-time" or "real time")) same ((collect\$3) near2 ("real-time" or "real time") same server same (internet or network)) and @pd>"20041101" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/24 13:21 |
| S19 1 | 3 | ("6600725").URPN. | USPAT | OR | OFF | 2006/03/27 11:26 |
| S19 2 | 229 | (("real-time" or "real time") same (stock\$1 or bond\$1 or fund\$1 or score\$1) same (updat\$3 or refresh\$3)) and @ad<"20000321" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/27 12:27 |
| S19 3 | 92 | S192 and (wireless or mobile or PDA) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/27 12:07 |

| S19 4 | 2 | (("real-time" or "real time") same (stock\$1 or bond\$1 or fund\$1 or score\$1) same (server near push\$3)) and @ad<"20000321" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/27 12:27 |
|----------|-------|---|---|------|-----|------------------|
| S19 5 | 143 | (("real-time" or "real time") same (stock\$1 or bond\$1 or fund\$1) same (updat\$3 or refresh\$3)) and @ad<"20000321" | USPAT | OR | OFF | 2006/09/04 15:09 |
| S19 6 | 2 | (("real-time" or "real time") same (stock\$1 or bond\$1 or fund\$1 or score\$1) same (server near push\$3)) and @ad<"20000321" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/04 15:17 |
| S19 7 | 4 | (S195 S196) and @pd>"20060201" | USPAT | OR | OFF | 2006/09/04 15:11 |
| S19 8 | 29730 | (real-time or "real time") near (data or information) | US-PGPUB; USPAT | OR | OFF | 2006/09/04 15:11 |
| S19 9 | 62 | (S198 with server) and @pd>"20060201" | USPAT | OR | OFF | 2006/09/04 15:11 |
| S20 0 | 39 | S199 and ((updat\$3 or refresh\$3) with (data or information)) | USPAT | OR | OFF | 2006/09/04 15:12 |
| S20 1 | 293 | ((updat\$3 or refresh\$3 or "real-time" or "real time") near4 (stock\$1 or bond\$1 or fund\$1 or weather or sports or score\$1 or news)) same servers | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/04 15:17 |
| S20 2 | 0 | S201 and @ad<"20000321" and @pd>"20060327" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/04 15:18 |
| S20 3 | 45 | S201 and @pd>"20060327" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR : | OFF | 2006/09/05 07:01 |
| S20 4 | 17 | blair.xa. and douglas.xa. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/05 07:01 |

| S20 | 28 | (US-5793497-\$ or US-6507850-\$ or | USPAT; | OR | OFF | 2007/03/21 11:00 |
|-----------|-----|--|--|------|-----|------------------|
| 5 | 20 | US-6082500-\$ or US-6438585-\$ or US-6073075-\$ or US-5801691-\$ or US-6505123-\$ or US-6356287-\$ or US-6446096-\$ or US-6434479-\$ or US-5848373-\$ or US-6055566-\$ or US-6571279-\$ or US-6377210-\$ or US-6021371-\$ or US-6600725-\$ or US-5398021-\$ or US-658418-\$ or US-6209026-\$ or US-6727930-\$ or US-6477434-\$ or US-667477-\$ or US-6850906-\$ or US-6536041-\$ or US-6564250-\$ or US-6415439-\$). | DERWENT | | | |
| | | did. or (US-6292743-\$).did. or (KR-2004012660-\$).did. | | | | |
| S20 6 | 2 | S205 and applet | USPAT; DERWENT | OR , | OFF | 2007/03/21 11:11 |
| S20 7 | 16 | applet with (updat\$3 or refresh\$3) same (stock\$1, bond\$1, score\$1) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR . | OFF | 2007/03/21 11:18 |
| \$20 8 | 7 | S207 and (@ad<"20000321" @rlad<"20000321") | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/03/21 11:17 |
| \$20 9 | 18 | applet with (updat\$3 or refresh\$3) same (stock\$1 bond\$1 score\$1 or sport\$1 or weather) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/03/21 11:18 |
| S21 0 | 7 | S209 and (@ad<"20000321" @rlad<"20000321") | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/03/21 11:18 |
| S21 1 | 786 | applet with (updat\$3 or refresh\$3) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/03/21 11:18 |

| S21 2 | 226 | S211 and (stock\$1 bond\$1 score\$1 or sport\$1 or weather) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/03/21 11:18 |
|-----------|-----|--|--|------|-----|------------------|
| S21 3 | 112 | S212 and (@ad<"20000321" @rlad<"20000321") | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR . | OFF | 2007/03/21 11:18 |
| \$21 4 | 45 | S213 and ("real time" or "real-time" or realtime or instantaneous) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/03/21 11:19 |
| S21 5 | 23 | ("6035287").URPN. | USPAT | OR | OFF | 2007/03/21 12:34 |
| S21 6 | 33 | S213 not S214 | USPAT | OR | OFF | 2007/03/21 12:35 |
| S21 7 | 67 | S213 not S214 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/03/21 12:35 |
| S21 8 | 2 | ("5404488" "5805155").pn. | US-PGPUB; USPAT | OR | OFF | 2007/03/22 10:21 |